

**TOWNSEND**  
*and*  
**TOWNSEND**  
*and*  
**CREW**

LLP

Palo Alto, California  
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Tel 925 472-5000

San Diego, California  
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**FACSIMILE COVER SHEET**

<b>Date:</b> <b>April 27, 2004</b>	<b>Client &amp; Matter Number:</b> <b>080056-000200US</b>	<b>No. Pages (including this one):</b> <b>4</b>
<b>To:</b> <b>Examiner Mark Shibuya</b> <b>c/o Andrew Wang</b> <b>USPTO</b>	<b>At Fax Number:</b> <b>(571)-273-0811</b>	<b>Confirmation Phone Number:</b>
<b>From: Joel G. Ackerman</b>		<b>(4057)</b>

**Message:** Please forward this facsimile to Examiner Shibuya per his instructions.

Examiner Shibuya, please review this draft amended claim and then call me to discuss whether it will be acceptable to overcome the objection to the previous response.

Please note that we are proposing to respond by substituting the use of groups M<sup>3</sup> - M<sup>6</sup> in place of the Q<sup>3</sup> and Q<sup>4</sup> groups.

*DRAFT*

<b>Original Will:</b>	<input type="checkbox"/> <b>BE SENT BY MAIL</b>	<input type="checkbox"/> <b>BE SENT BY FEDEX/OVERNIGHT COURIER</b>	<input type="checkbox"/> <b>BE SENT BY MESSENGER</b>	<input checked="" type="checkbox"/> <b>NOT BE SENT</b>
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**Faxed:**

**Return to: Lois M. Simón - (4057)**

**If you have problems with reception please call Fax Services at extension 4659**

**Important**

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60203337 v1

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 \*\*\* TX REPORT \*\*\*  
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 DESTINATION ID  
 ST. TIME 03/26 15:05  
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TOWNSEND  
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## FACSIMILE COVER SHEET

Date: <b>March 26, 2004</b>	Client & Matter Number: <b>080056-000200US</b>	No. Pages (including this one): <b>3</b>
To: <b>Examiner Maurie Garcia Baker USPTO</b>	At Fax Number: <b>(571)-273-0805</b>	Confirmation Phone Number: <b>(571)-272-0805</b>
From: Joel G. Ackerman		<b>(4057)</b>

**Message:** Further to my voice mail message, please review this draft amended claim and then call me to discuss whether it will be acceptable to overcome the objection to the previous response. Please note that we are proposing to respond by substituting the use of groups M<sup>3</sup> - M<sup>6</sup> in place of the Q<sup>3</sup> and Q<sup>4</sup> groups.

DRAFT

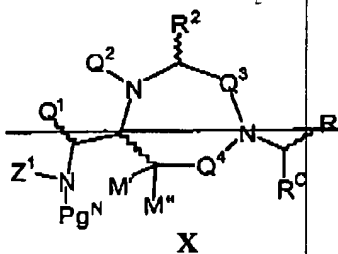
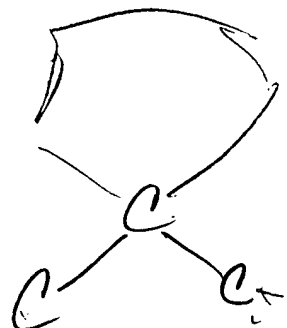
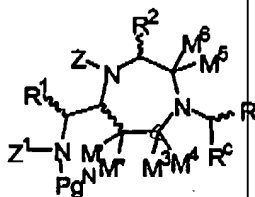
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Application 09/647,054

TTC docket 080056-000200US

DRAFT AMENDED CLAIM

113 (currently amended): A general mimetic of the structure



wherein:

~~~~ indicates a bond at a chiral centre of the structure which centre may be in the R or S configuration or a mixture thereof;

R, R<sup>1</sup> and R<sup>2</sup> is an amino acid side chain groups which may be the same or different;

M' and M'' may be the same or different and are selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>4</sub> alkyl, chloro and C<sub>1</sub>-C<sub>4</sub> alkoxy;

M<sup>3</sup>, M<sup>4</sup>, M<sup>5</sup> and M<sup>6</sup> define a lactam as follows:

(i)  $M^3, M^4$  when taken together with the ring carbon to which they are attached form a carbonyl group,  $M^5$  and  $M^6 = H$ , or

(ii)  $M^3$  is H and  $M^4 = M^1, M^5$  and  $M^6$  when taken together with the carbon atom to which they are attached form a carbonyl group;

$Z'$  is selected from the group consisting of hydrogen, methyl and part of a cyclic amino acid sidechain joined to  $Q^1-R^1$ ;

$Pg^N$  is a protecting group for amine;

$R^C$  is selected from the group consisting of a carboxy terminal part of the mimetic, hydrogen, R, and  $CH_2R$ ; and

~~$Q^1 = R^1$  which has the same definition as R and  $R^2$  above and  $Q^2 = Z$  where Z is selected from the group consisting of hydrogen, methyl, ethyl, formyl and acetyl,  $-CH_2R$ , and  $C(O)R$  or alternatively Z is part of a cyclic amino acid sidechain group joined to  $R^2$ ; or  $Q^1$  and  $Q^2$  taken together represent a cyclic group;~~

~~$Q^3$  is selected from the group consisting of  $C(O)$  and  $CH_2$ ,  $C(O)N(Q^5)CH(R)C(O)$ ,  $C(O)N(Q^5)CH(R)CH_2$  wherein  $Q^5$  is a covalent bond from the  $Q^4$  group to the nitrogen atom in  $Q^3$  to form a bicyclic ring system;~~

~~$Q^4$  is selected from the group consisting of  $CH(M^1)$ ,  $C(O)$ ,  $CH(Q^5)CH_2$  and  $CH(Q^5)C(O)$ ;~~

~~with the proviso that when:~~

~~(i)  $Q^3$  is  $C(O)$ , then  $Q^4 = CH(M^1)$ ;~~

~~(ii)  $Q^3$  is  $CH_2$ , then  $Q^4 = C(O)$ ;~~

~~(iii)  $Q^3$  is  $C(O)N(Q^5)CH(R)C(O)$ , then  $Q^4 = CH(Q^5)CH_2$ ;~~

~~(iv)  $Q^3$  is  $C(O)N(Q^5)CH(R)CH_2$ , then  $Q^4 = CH(Q^5)C(O)$ ;~~

~~where  $Q^5$  is a covalent bond from the  $Q^4$  group to the nitrogen atom in  $Q^3$  which is a cyclization forming a bicyclic ring system.~~

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